**EAST Search History**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| S1 | 3 | "2003112426" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:48 |
| S2 | 31 | "5581347" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:49 |
| S3 | 2 | ("5581347").pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:49 |
| S4 | 1 | ("2003112426").kd. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:50 |
| S5 | 0 | ("2003112426" A1).kd. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:51 |
| S6 | 2 | "20030112426" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:52 |
| S7 | 102 | "5062702" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:53 |
| S8 | 2 | ("5062702").pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:53 |
| S9 | 2 | ("6750958").pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/05 16:53 |

| S10 | 2 | "20070165242" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/06 14:31 |
|-----|-----|-----|-----|-----|-----|-----|
| S11 | 427 | (356/512).ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/07 08:41 |
| S12 | 67 | S11 and hologram$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/07 08:42 |
| S13 | 1 | ("3506327").PN. | US-PGPUB; USPAT | OR | OFF | 2008/02/07 08:57 |
| S14 | 147 | S11 and diffraction | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/07 09:24 |
| S15 | 13 | S14 and spatial light modulator | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/07 09:38 |
| S16 | 347 | (356/511).ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/07 09:53 |
| S17 | 11 | S16 and spatial light modulator | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/07 09:55 |
| S18 | 2 | "20070114678" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 07:55 |
| S19 | 0 | ("2007/0114678").URPN. | USPAT | ADJ | ON | 2008/02/11 07:57 |
| S20 | 2 | ("6344898").pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 08:29 |

| S23 | 21 | "3531904" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 08:33 |
|---|---|---|---|---|---|---|
| S24 | 491 | lens test | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 12:31 |
| S25 | 160 | S24 and interfer$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 12:31 |
| S26 | 69 | S25 and collimat$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 12:32 |
| S27 | 28 | S26 and wavefront | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 12:32 |
| S28 | 849 | test flat | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 13:16 |
| S29 | 119 | S28 and interfer$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 13:16 |
| S30 | 17 | S29 and collimat$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 13:16 |
| S31 | 12 | S29 and wavefront | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 13:39 |
| S32 | 735 | planar wavefront | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 14:41 |

| S33 | 401 | S32 and interfer$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 14:41 |
| S34 | 216 | S33 and collimat$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 14:48 |
| S35 | 0 | S34 and S28 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 14:49 |
| S36 | 1 | S34 and S24 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 14:50 |
| S37 | 202 | S34 and lens | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 14:50 |
| S38 | 143 | S34 and split$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/11 14:50 |
| S39 | 2 | "20050085299" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/12 08:27 |
| S40 | 7 | beamsplitting near5 diffraction | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/02/12 12:38 |
| S41 | 23 | "6344898" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/10/30 14:09 |
| S42 | 2 | "6344898".pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/10/30 14:09 |

| S43 | 28 | (US-20030112426-$ or US-20070165242-$ or US-20030002048-$ or US-20060033933-$ or US-20060231731-$ or US-20040252311-$ or US-20040257584-$ or US-20020118370-$ or US-20050099600-$ or US-20020159030-$).did. or (US-5581347-$ or US-5062702-$ or US-6750958-$ or US-4639139-$ or US-6690474-$ or US-6344898-$ or US-5898501-$ or US-4869593-$ or US-3997266-$ or US-7061626-$ or US-4832489-$ or US-4865450-$ or US-4732483-$ or US-5675413-$ or US-6249351-$ or US-5978112-$ or US-5777742-$).did. or (DE-3531904-$).did. | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/10/30 14:33 |
|---|---|---|---|---|---|---|
| S44 | 172 | 356/515.ccls. | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/10/30 15:14 |
| S45 | 137 | S44 and (plane or plane $5) | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/10/30 15:16 |
| S46 | 2637 | ((null$ lens) or compensa$ lens or (wavefront or wave NEAR front or wave-front) correct$ lens or difformable lens) | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/10/30 15:18 |
| S47 | 189 | S46 and "356"/$.ccls. | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/10/30 15:19 |
| S48 | 2 | "20070291251" | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/10/30 17:11 |
| S49 | 1 | (nulling lens) | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/11/05 17:08 |
| S50 | 130 | (null$ lens) | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2008/11/05 17:08 |
| S51 | 142 | (null$ lens) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/05 17:09 |

| S52 | 2991 | (null$ lens) or (compensat$ lens) or (wavefront correcting lens) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/05 17:10 |
|-----|------|------------------------------------------------------------------|---------------------------------------------------|-----|----|------------------|
| S53 | 146 | (null$ lens) or (wavefront correcting lens) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/05 17:10 |
| S54 | 4 | (wavefront correcting lens) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/05 17:10 |
| S55 | 13 | (wavefront correct$ lens) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/05 17:14 |
| S56 | 2 | "20050105044" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/05 17:27 |
| S57 | 468 | (compensat$ lens) and interfer$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/06 13:50 |
| S58 | 1 | ("2003/0128368").URPN. | USPAT | ADJ | ON | 2008/11/09 15:17 |
| S59 | 4 | ("6056138" or "6196404").pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/11/09 18:13 |
| S60 | 2 | "20020176090" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/20 18:49 |
| S61 | 644 | (hologram or diffraction NEAR grating) with (wavefront or shape) and (null$5 or aspheric) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 11:39 |

| S62 | 3522 | (dut or device under test) and interfer$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 11:51 |
|---|---|---|---|---|---|---|
| S63 | 182 | 356/515.ccls. | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2009/06/21 11:59 |
| S64 | 61 | S63 and (plane$4 WITH wavefront) | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2009/06/21 11:59 |
| S65 | 36 | (US-20030112426-$ or US-20070165242-$ or US-20030002048-$ or US-20060033933-$ or US-20060231731-$ or US-20040252311-$ or US-20040257584-$ or US-20020118370-$ or US-20050099600-$ or US-20020159030-$ or US-20050105044-$ or US-20020012124-$ or US-20020080366-$ or US-20020176090-$ or US-20030128368-$ or US-20040174532-$).did. or (US-5581347-$ or US-5062702-$ or US-6750958-$ or US-4639139-$ or US-6690474-$ or US-6344898-$ or US-5898501-$ or US-4869593-$ or US-3997266-$ or US-7061626-$ or US-4832489-$ or US-4865450-$ or US-4732483-$ or US-5675413-$ or US-6249351-$ or US-5978112-$ or US-5777742-$ or US-6717679-$ or US-6312373-$).did. or (DE-3531904-$).did. | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2009/06/21 12:30 |
| S66 | 24 | S65 and (plane$4 WITH wavefront) | US-PGPUB; USPAT; DERWENT | ADJ | ON | 2009/06/21 12:30 |
| S67 | 16 | (wavefront NEAR3 shaping) SAME ((diffraction NEAR grating) or (hologram) sand (spatial light modulator or spatial filter)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:31 |

| S68 | 16 | (wavefront NEAR3 shaping) SAME ((diffraction NEAR grating) or (hologram) and (spatial light modulator or spatial filter)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:31 |
|---|---|---|---|---|---|---|
| S69 | 1 | (wavefront NEAR3 shaping) SAME (((diffraction NEAR grating) or (hologram) and (spatial light modulator or spatial filter)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:32 |
| S70 | 250 | (wavefront) SAME (((diffraction NEAR grating) or (hologram) and (spatial light modulator or spatial filter)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:32 |
| S71 | 207 | (wavefront) SAME (((diffraction NEAR grating) or (hologram)) and (spatial light modulator or spatial filter) and lens) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:32 |
| S72 | 207 | (wavefront) SAME ((((diffraction NEAR grating) or (hologram)) and (spatial light modulator or spatial filter) and lens)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:34 |
| S73 | 1398 | (((diffraction NEAR grating) or (hologram)) same (spatial light modulator or spatial filter) same lens) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:36 |
| S74 | 103 | S73 same wavefront | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:36 |
| S75 | 24 | (((diffraction NEAR grating) or (hologram)) same (spatial light modulator or spatial filter) same lens) with wavefront | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:37 |
| S76 | 206 | (diffraction grating) WITH beamsplitter | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/21 14:53 |

**6/ 21/ 2009 7:13:15 PM**
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